

PTO/SB/08A

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

				COMPLETE IF KNOWN				
ate for form 14	449A/PTO	,		Application Number	10/057,600			
< INFO	DRMATION	I DISCLOSUR	RE	Confirmation Number	3689			
STA	TEMENT E	Y APPLICAN	T	Filing Date	January 24, 2002			
C) (us	e as manv she	ets as necessary)		First Named Inventor	David Q. Wright			
				Group Art Unit	1763			
		•		Examiner Name	George A. Goudreau			
	1	of	7	Attorney Docket No.	1082085081151			

TIS	PAT	TENT	DOC	TME	NTS

Sheets	\$		•		Examiner Nan	ne	George A. Goudre	au
Sheet		1	of	7	Attorney Dock	et No.	108298508US1	
Sheet				U.S. PATENT	DOCUMEN	ITS		
*EXAMINER INITIALS	Cite No.	U.S. Patent Document NUMBER Kind (if kn	Code		Name of Patenice or Applicant of Cited Document		Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CARCI		5,036,015		Sandhu et al.		07/30	/91	
0 ارز		5,069,002		Sandhu et al.		12/03	/91	
		5,081,796		Schultz		01/21	/92	
		5,209,816		Yu et al.		05/11	/93	
		5,222,329		Yu		06/29	/93	
		5,225,034		Yu et al.		07/06	/93	
		5,232,875		Tuttle et al.		08/03	/93	
		5,234,867		Schultz et al.		08/10	/93	
		5,240,552		Yu et al.		08/31	/93	
		5,244,534		Yu et al.		09/14	/93	
		5,245,790		Jerbic		09/21	/93	
		5,245,796		Miller et al.		09/21	/93	
		Re. 34,425		Schultz		11/02	/93	
		5,354,490		Yu et al.		10/11	/94	
		5,413,941		Koos et al.		05/09	/95	W S
		5,421,769		Schultz et al.		06/06	/95	
		5,433,651		Lustig et al.		07/18	95	2 3
		5,439,551		Meikle et al.		08/08	/95	
		5,449,314		Meikle et al.		09/12	/95	- 6
		5,486,129		Sandhu et al.		01/23	/96	
		5,514,245		Doan et al.		05/07/	/96	
		5,533,924		Stroupe et al.		07/09/	96	,
		5,540,810		Sandhu et al.		07/30	96	
		5,609,718		Meikle		03/11/	/97	1.
		5,618,381		Doan et al.		04/08	97	
gnex		5,618,447		Sandhu		04/08/	97	

EXAMINER	DATE CONSIDERED		
George Goudrean	9-031		
* EXAMINER: Initial if reference considered, whether or not criteria i	s in conformance with MPEP 609.	Draw line through	citation if not in
conformance and not considered. Include copy of this form v			
Q:\Clients\Micron Technology (10829)\8508\Us1 Div\\$B08.doc			

Please type a plus sign (+) inside this box →

r form 1449A/PTO

2



PTO/SB/08A approved for use through 10/31/99. OMB 0651-0031 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

COMPLETE IF KNOWN 10/057,600 Application Number MFORMATION DISCLOSURE Confirmation Number 3689 January 24, 2002 ATEMENT BY APPLICANT Filing Date First Named Inventor David Q. Wright use as many sheets as necessary) Group Art Unit Examiner Name George A. Goudreau of Attorney Docket No. 108298508US1

ILS. PATENT DOCUMENTS

*EXAMINER	Cite	U.S. Patent Document	Name of Patentee or Applicant	Date of Publication of Cited	Pages, Columns, Lines, Where Relevant Passages or	
INITIALS"	No.	NUMBER Kind Code (if known)	of Cited Document	Document	Relevant Figures Appear	
GAG		5,643,048	Iyer	07/01/97		
0 0		5,643,060	Sandhu et al.	07/01/97		
		5,658,183	Sandhu et al.	08/19/97		
		5,658,190	Wright et al.	08/19/97		
		5,663,797	Sandhu	09/02/97		
		5,664,988	Stroupe et al.	09/09/97		
		5,679,065	Henderson	10/21/97		
		5,700,180	Sandhu et al.	12/23/97		
		5,702,292	Brunelli et al.	12/30/97	() ()	
		5,730,642	Sandhu et al.	03/24/98	\$ 10°	
		5,738,562	Doan et al.	04/14/98	WE SE	
		5,747,386	Moore	05/05/98	W 20)	
		5,777,739	Sandhu et al.	07/07/98	- \$	
		5,792,709	Robinson et al.	08/11/98	***************************************	
		5,795,495	Meikle	08/18/98		
		5,798,302	Hudson et al.	08/25/98		
		5,807,165	Uzoh et al.	09/15/98		
		5,827,781	Skrovan et al.	10/27/98		
		5,830,806	Hudson et al.	11/03/98		
		5,842,909	Sandhu et al.	12/01/98		
		5,851,135	Sandhu et al.	12/22/98		
		5,855,804	Walker	01/05/99	-	
		5,868,896	Robinson et al.	02/09/99		
	*	5,876,273	Yano et al.	03/02/99		
		5,882,248	Wright et al.	03/16/99		
(AAC)		5,893,754	Robinson et al.	04/13/99		

EXAMINER DATE CONSIDERED 9-03/ Gond year

* EXAMINER: Initial Greference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

Q:\Clients\Micron Technology (10829)\8508\Us1 Div\\$B08.doc

Please type a plus sign (+) inside this box → +

PTO/SB/08A

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

AR 1 D 200	S S	1449APTO FORMATION DISCI ATEMENT BY APP use as many sheets as ne	LICANT	Application Number Confirmation Number Filing Date First Named Inventor Group Art Unit Examiner Name		10/057,600 3689 January 24, 2002 David Q. Wright 1763 George A. Goudreau	
(Sheory)		3c	f 7	Attorney Docket	No.	108298508US1	
			U.S. PATENT	DOCUMENT	S		<u> </u>
EXAMINER INITIALS	Cite No.	U.S. Patent Document NUMBER Kind Code (if known)			Date of	Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Order		5,895,550	Andreas		04/20	/99	
010		5,910,846	Sandhu		06/08	/99	
		5,916,819	Skrovan et al.		06/29	/99	
		5,930,699	Bhatia		07/27	/99	
		5,934,980	Koos et al.		08/10	/99	
		5,936,733	Sandhu et al.		08/10	/99	
	*	5,897,426	Somekh		08/27	/99	
		5,945,347	Wright		08/31/	/99	3 8 8
		5,954,912	Moore		09/21/	/99	8 2 7
		5,967,030	Blalock		10/19/	/99	W 0
		5,972,792	Hudson	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10/26	/99	\$ 0
		5,980,363	Meikle et al.		11/09/	/99	- 4
		5,981,396	Robinson et al.		11/09/	/99	
		5,990,012	Robinson et al.		11/23/	/99	
		5,994,224	Sandhu et al.		11/30/	/99	
		5,997,384	Blalock		12/07/	/99	
		6,007,408	Sandhu		12/28/	/99	
	*	6,019,806	Sees et al.		02/01/	/0 0	
		6,039,633	Chopra		03/21/	′00	
		6,040,245	Sandhu et al.		03/21/	′00	
1		6,046,111	Robinson		04/04/	′00	
		6,054,015	Brunelli et al.		04/25/	′00	\$
		6,057,602	Hudson et al.		05/02/	′00	
		6,060,395	Skrovan et al.		05/09/	700	
		6,066,030	Uzoh	• • • • • • • • • • • • • • • • • • • •	05/23/	′00	
apoly	*	6,071,816	Watts et al.		06/06/	′00	
EXAMINE EXAMINE	OV	Ol Goud's	CAM ed, whether or not criteria i	,	-0	31	line through citation if not

conformance and not considered. Include copy of this form with next communication to applicant(s).

Q:\Clients\Micron Technology (10829)\8508\Us1 Div\SB08.doc

Please type a plus sign (+) inside this box -> | +



PTO/SB/08A Approved for use through 10/31/99. OMB 0651-0031 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

COMPLETE IF KNOWN Application Number 10/057,600 Confirmation Number 3689 Filing Date January 24, 2002 First Named Inventor David Q. Wright Group Art Unit 1763 Examiner Name George A. Goudreau Attorney Docket No. 108298508US1

titute for form 1449A/PTO STATEMENT BY APPLICANT INFORMATION DISCLOSURE of

G THEN THE	1	4 01	/ Attorney Doc	Ket No. 100290300031		
			U.S. PATENT DOCUME	NTS		
EXAMINER INITIALS []	Cite No.	U.S. Patent Document NUMBER Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
CANAGO		6,074,286	Ball	06/13/00		
9 0		6,077,785	Andreas	06/20/00	2	
		6,083,085	Lankford	07/04/00		
	*	6,102,778	Morita	08/15/00		
		6,108,092	Sandhu	08/22/00		
		6,110,820	Sandhu et al.	08/29/00		
	*	6,114,245	Vandamme et al.	09/05/00		
		6,116,988	Ball	09/12/00	0 -	
		6,120,354	Koos et al.	09/19/00		
		6,124,207	Robinson et al.	09/26/00		
		6,135,856	Tjaden et al.	10/24/00 -		
		6,136,218	Skrovan et al.	10/24/00	T	
		6,139,402	Moore	10/31/00	=======================================	
		6,143,123	Robinson et al.	11/07/00		
		6,143,155	Adams et al.	11/07/00		
		6,152,808	Moore	11/28/00		
		6,176,763B1	Kramer et al.	01/23/01		
		6,176,992B1	Talieh	01/23/01		
		6,180,525B1	Morgan	01/30/01		
		6,184,571B1	Moore	02/06/01		
		6,187,681 B1	Moore	02/13/01		
		6,190,494B1	Dow	02/20/01		
		6,191,037 B1	Robinson et al.	02/20/01		
		6,191,864B1	Sandhu	02/20/01		
		6,193,588B1	Carlson	02/27/01		
Chara		6,200,901 B1	Hudson et al.	03/13/01		

EXAMINER DATE CONSIDERED serge Goud rean * EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

Q:\Clients\Micron Technology (10829)\8508\Us1 Div\SB08.doc



Please	type :	ล กโมร	sign	(+)	inside	this	hox	-3
i icast	LYDU	u prus	G M P I I	,	1113100	#1112	UUA	•

PTO/SB/08A
Approved for use through 10/31/99. OMB 0651-0031

				Patent and Trace	emark Office: U.S. DEPARTMENT OF COMMERCE
				· · · · · ·	COMPLETE IF KNOWN
Substitute for form 144	9A/PTO			Application Number	10/057,600
PEINFO	RMATION	DISCLOSUR	E	Confirmation Number	3689
		Y APPLICAN		Filing Date	January 24, 2002
*# \ .		ets as necessary)		First Named Inventor	David Q. Wright
MAR 1 0 2003 Sure	•			Group Art Unit	1763
``````````````````````````````````````			· · · · · · · · · · · · · · · · · · ·	Examiner Name	George A. Goudreau
Sheet R	5	of	7	Attorney Docket No.	108298508US1
111000					

EXAMINER INITIALS	Cite No.	U.S. Patent Document NUMBER Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited  Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
HOLOX		6,203,404B1	Joslyn et al.	03/20/01		
010		6,203,407B1	Robinson	03/20/01	r	
		6,203,413B1	Skrovan	03/20/01	·	
		6,206,754B1	Moore	03/27/01		
		6,206,756B1	Chopra et al.	03/27/01		
		6,206,757B1	Custer et al.	03/27/01	W 8	
		6,206,769B1	Walker	03/27/01	200	
		6,208,425B1	Sandhu et al.	03/27/01	<del>0</del> - 1	
		6,210,257 B1	Carlson	04/03/01		
		6,213,845 B1	Elledge	04/10/01	ž C	
		6,218,316B1	Marsh	04/17/01		
		6,224,466B1	Walker et al.	05/01/01		
		6,227,955 B1	Custer et al.	05/08/01	<	
		6,234,874B1	Ball	05/22/01		
		6,234,877 B1	Koos et al.	05/22/01		
		6,234,878 B1	Moore	05/22/01		
		6,237,483B1	Blalock	05/29/01		
		6,250,994 B1	Chopra et al.	06/26/01		
		6,251,785B1	Wright	06/26/01	<	
		6,261,151B1	Sandhu et al.	07/17/01		
		6,261,163 B1	Walker et al.	07/17/01		
		6,267,650B1	Hembree	07/31/01		
		6,271,139B1	Alwan et al.	08/07/01		
		6,273,786B1	Chopra et al.	08/14/01		
		6,273,796B1	Moore	08/14/01		
AUXCX ]	7	6,276,996B1	Chopra	08/21/01	*	

<u> </u>	
EXAMINER	DATE CONSIDERED
George (roud peau	9-031
* EXAMINER: Initial if reference considered, whether or not criteria i	is in conformance with MPEP 609. Draw line through citation if not in



Please type a plus sign (+) inside this box  $\rightarrow$  +

6

PTO/SB/08A Approved for use through 10/31/99. OMB 0651-0031 irk Office: U.S. DEPARTMENT OF COMMERCE

				1 000310 0310 7100	Chimin Chico. Con Parintelliani.	COMMITTICE
				(	COMPLETE IF KNOWN	
for for	m 1449A/PTO	•		Application Number	10/057,600	
	IFORMATION			Confirmation Number	3689	
3	TATEMENT B	Y APPLICAN	IT	Filing Date	January 24, 2002	
60 LLI	(use as many she	ets as necessary)		First Named Inventor	David Q. Wright	
	(use as many she	• • • • • • • • • • • • • • • • • • • •		Group Art Unit	1763	
$\Sigma$				Examiner Name	George A. Goudreau	
•	6	òf	7	Attorney Docket No.	1082985081181	

			U.S. PATENT DOCUME	NTS	
*EXAMINER INITIALS [*]	Cite No.	U.S. Patent Document  NUMBER Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited  Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CARCOX	6,284,660 B1		Doan	09/04/01	
970		6,287,879B1	Gonzales et al.	09/11/01	
		6,290,572B1	Hofmann	09/18/01	
		6,301,006B1	Doan	10/09/01	
		6,306,012B1	Sabde	10/23/01	
		6,306,014 B1	Walker et al.	10/23/01	
		6,306,768B1	Klein	10/23/01	
		6,312,486B1	Sandhu et al.	11/06/01	
		6,312,558 B2	Moore	11/06/01	
		6,313,038B1	Chopra et al.	11/06/01	
		6,319,420B1	Dow	11/20/01	
		6,323,046B1	Agarwal	11/27/01	
		6,328,632 B1	Chopra	12/11/01	
		6,331,488 B1	Doan et al.	12/18/01	processor to the second
		6,338,667B2	Sandhu et al.	01/15/02	
		6,350,180 B2	Southwick	02/26/02	
		6,350,691 B1	Lankford	02/26/02	PP 100000000000000000000000000000000000
		6,352,466B1	Moore	03/05/02	-
		6,354,917B1	Ball	03/12/02	
		6,354,923B1	Lankford	03/12/02	
		6,354,930B1	Moore	03/12/02	
		6,358,122B1	Sabde et al.	03/19/02	
		6,358,127B1	Carlson et al.	03/19/02	
		6,358,129B2	Dow	03/19/02	
		6,361,417B2	Walker et al.	03/26/02	
ASEA		6,362,105B1	Moore	03/26/02	

EXAMINER/ DATE CONSIDERED Porge Initial if reference considered, whether or not criteria is in conformance with MPEP 609, conformance and not considered. Include copy of this form with next communication to applicant(s). * EXAMINER: Draw line through citation if not in

Q:\Clients\Micron Technology (10829)\8508\Us1 Div\SB08.doc

				P10/5B/	USA
	approved for	use through	10/31/99.	OMB 0651-	003
 Patent and Trader	nark Office:	U.S. DEPA	RTMENT	OF COMME	RCI
		•			

			COMPLETE IF KNOWN				
Substitute for form 1449A/PTO			Application Number	10/057,600			
O I P E INFORMATIO	N DISCLOSUR	E	Confirmation Number	3689 January 24, 2002			
STATEMENT	<b>BY APPLICAN</b>	I <b>T</b>	Filing Date				
Chuse as many s	heets as necessary)		First Named Inventor	David Q. Wright			
MAR 1 0 2003 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Group Art Unit	1763			
<u> </u>			Examiner Name	George A. Goudreau			
Sheete 7	of	7	Attorney Docket No.	108298508US1			
Adde	τ	J.S. PATEN	T DOCUMENTS				

*EXAMINER Ci		-		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited  Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
ang		6,364,746B2		Moore	04/02/02			
0 0		6,364,757B2		Moore	04/02/02			
		6,368,190B1		Easter et al.	04/09/02	0		
		6,368,193B1		Carlson et al.	04/09/02	<u> </u>		
		6,368,194B1		Sharples et al.	04/09/02			
		6,368,197B2		Elledge	04/09/02	0 = 5		
CAPACA		6,375,548B1		Andreas	04/23/02	- K & Q		
0. 0		6,376,381B1		Sabde	04/23/02	- E H		

FOREIGN PATENT DOCUMENTS										
*EXAMINER INITIALS*	Cite No.	Foreign Patent Document  Kind Code Office Number (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				

		OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS	
*EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume0issue number(s), publisher, city and/or country where published.	Т
		SEIICHI KONDO, NORIYUKI SAKUMA, YOSHIO HOMMA, YASUSHI GOTO, NAOFUMI Ohashi, Hizum Yamaguchi, and Nobuo Owada, "Abrasive-Free Polishing for Copper Damascene Interconnection", Journal of the Electrochemical Society, 147 (10) pp. 3907-3913 (2000)	,
		unbrailable	

EXAMINER	$\overline{}$			DATE CONSIDE	RED	 		
:	(seovae	Goudi	can	9-	031			
* EXAMINER:	Initial if reference cons	idered, whether or	not criteria	is in conformance with		citation i	f not	in
0100 - 1100 -	conformance and not con		y of this form v	with next communication to	o applicant(s).	 		